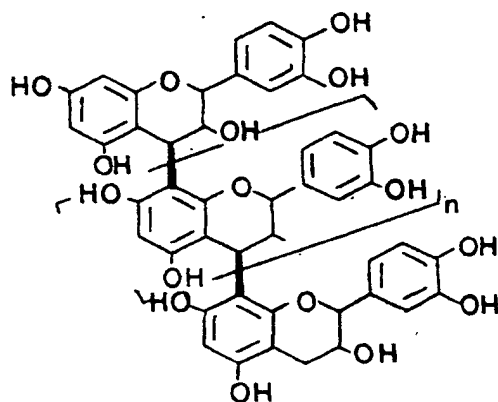


## AMENDMENT TO CLAIMS:

Claims 1-26 (canceled)

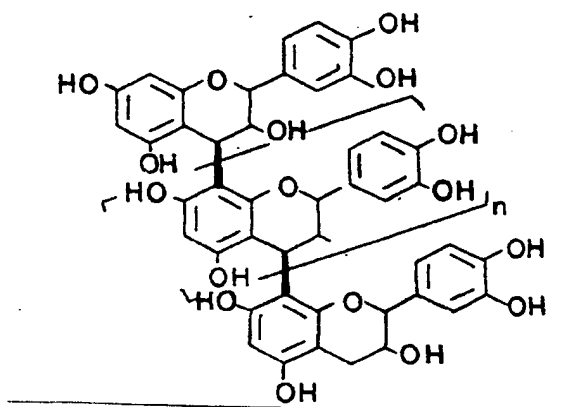
27. (new) A pharmaceutical composition comprising a therapeutically effective amount of a procyanidin.
28. (new) The pharmaceutical composition of claim 27, wherein the procyanidin is at least one procyanidin oligomer 2-12.
29. (new) The pharmaceutical composition of claim 27, wherein the procyanidin is at least one procyanidin oligomer 2-5.
30. (new) The pharmaceutical composition of claim 27, wherein the procyanidin is at least one procyanidin oligomer 4-12.
31. (new) The pharmaceutical composition of claim 27, wherein the procyanidin is B-2 procyanidin.
32. (new) The pharmaceutical composition of claim 27, wherein the procyanidin is B-5 procyanidin.
33. (new) The pharmaceutical composition of claim 27, wherein the procyanidin has the following formula:



wherein n is 2 to 5.

34. (new) The pharmaceutical composition of claim 27, adapted for administration by injection.
35. (new) The pharmaceutical composition of claim 34, wherein the procyanidin is at least one procyanidin oligomer 2-12.

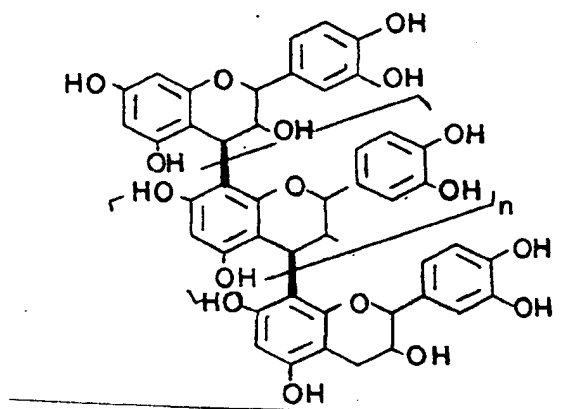
36. (new) The pharmaceutical composition of claim 34, wherein the procyanidin is at least one procyanidin oligomer 2-5.
37. (new) The pharmaceutical composition of claim 34, wherein the procyanidin is at least one procyanidin oligomer 4-12.
38. (new) The pharmaceutical composition of claim 34, wherein the procyanidin is B-2 procyanidin.
39. (new) The pharmaceutical composition of claim 34, wherein procyanidin is B-5 procyanidin.
40. (new) The pharmaceutical composition of claim 34, wherein the procyanidin has the following formula:



wherein n is 2 to 5.

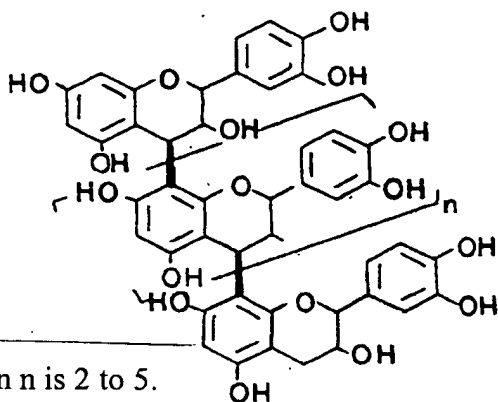
41. (new) The pharmaceutical composition of claim 27, adapted for nasal administration.
42. (new) The pharmaceutical composition of claim 41, wherein the procyanidin is at least one procyanidin oligomer 2-12.
43. (new) The pharmaceutical composition of claim 41, wherein the procyanidin is at least one procyanidin oligomer 2-5.
44. (new) The pharmaceutical composition of claim 41, wherein the procyanidin is at least one procyanidin oligomer 4-12.
45. (new) The pharmaceutical composition of claim 41, wherein the procyanidin is B-2 procyanidin.

46. (new) The pharmaceutical composition of claim 41, wherein procyanidin is B-5 procyanidin.
47. (new) The pharmaceutical composition of claim 41, wherein the procyanidin has the following formula:



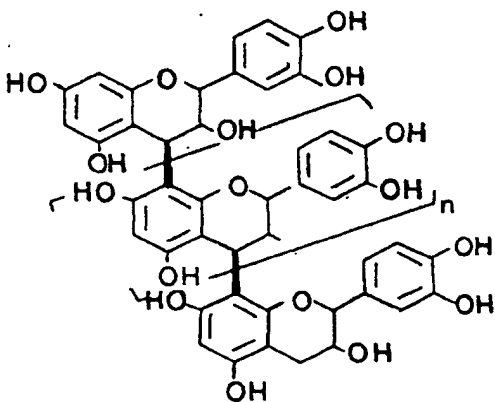
wherein n is 2 to 5.

48. (new) The pharmaceutical composition of claim 27, adapted for rectal administration.
49. (new) The pharmaceutical composition of claim 48 wherein the procyanidin is at least one procyanidin oligomer 2-12.
50. (new) The pharmaceutical composition of claim 48 wherein the procyanidin is at least one procyanidin oligomer 2-5.
51. (new) The pharmaceutical composition of claim 48 wherein the procyanidin is at least one procyanidin oligomer 4-12.
52. (new) The pharmaceutical composition of claim 48 wherein the procyanidin is B-2 procyanidin.
53. (new) The pharmaceutical composition of claim 48 wherein procyanidin is B-5 procyanidin.
54. (new) The pharmaceutical composition of claim 48 wherein the procyanidin has the following formula:



wherein n is 2 to 5.

55. (new) The pharmaceutical composition of claim 27, adapted for vaginal administration.
56. (new) The pharmaceutical composition of claim 55, wherein the procyanidin is at least one procyanidin oligomer 2-12.
57. (new) The pharmaceutical composition of claim 55, wherein the procyanidin is at least one procyanidin oligomer 2-5.
58. (new) The pharmaceutical composition of claim 55, wherein the procyanidin is at least one procyanidin oligomer 4-12.
59. (new) The pharmaceutical composition of claim 55, wherein the procyanidin is B-2 procyanidin.
60. (new) The pharmaceutical composition of claim 55, wherein procyanidin is B-5 procyanidin.
61. (new) The pharmaceutical composition of claim 55, wherein the procyanidin has the following formula:



wherein n is 2 to 5.

- 62. (new) The pharmaceutical composition of claim 1, further comprising an additional anti-tumor, anti-cancer and/or anti-neoplastic agent.
- 63. (new) The pharmaceutical composition of claim 34, further comprising an additional anti-tumor, anti-cancer and/or anti-neoplastic agent.
- 64. (new) The pharmaceutical composition of claim 41, further comprising an additional anti-tumor, anti-cancer and/or anti-neoplastic agent.
- 65. (new) The pharmaceutical composition of claim 48, further comprising an additional anti-tumor, anti-cancer and/or anti-neoplastic agent.
- 66. (new) The pharmaceutical composition of claim 55, further comprising an additional anti-tumor, anti-cancer and/or anti-neoplastic agent.